

0. SCIAMACHY Daily Report for level 0 products

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0.1 General Info

This report contains a daily analysis on parameters extracted from SCIAMACHY level 0 data (The SCI_NL__0P product).

0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.3 20060731
Time of report generation	04MAY2009 05:24:20
Data source version	KSPT_L0/4303-N
Processing scope for products	30APR2009 00:00:00 to 01MAY2009 00:00:00
Start time of first product within scope	29APR2009 23:04:00
Stop time of last product within scope	01MAY2009 00:14:10
Total number of level 0 products	16
Number of level 0 products with errors	5

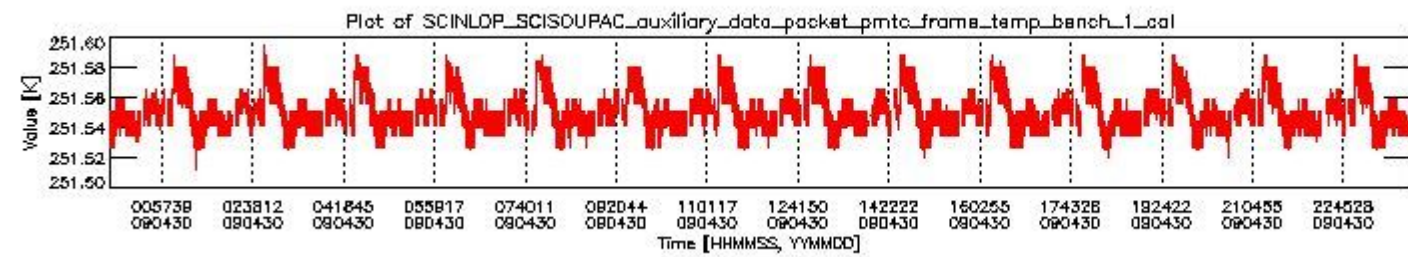
0.1.2 Summary per product

The following table shows a summary for each product used in this report.

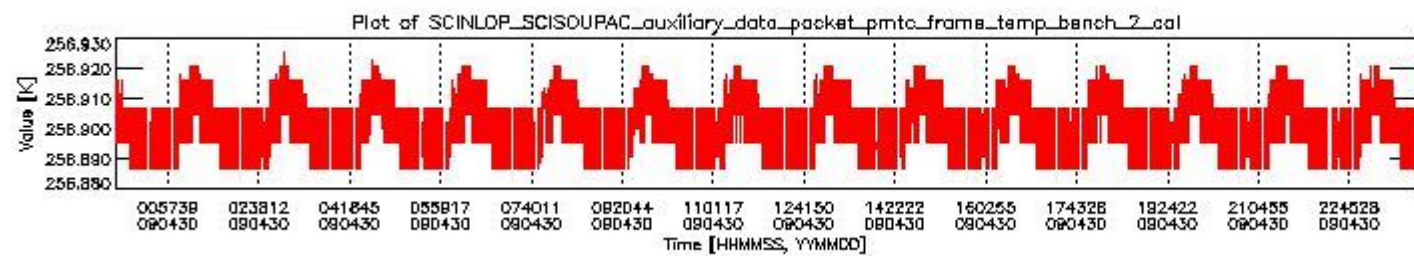
#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	SCI_NL__OPNPDE20090429_230400_000061262078_00330_37458_9045.N1	29APR2009 23:04:00	30APR2009 00:46:07	0	0	0	0	0
1	SCI_NL__OPNPDE20090430_004519_000057762078_00331_37459_9046.N1	30APR2009 00:45:19	30APR2009 02:21:36	0	0	0	0	0
2	SCI_NL__OPNPDE20090430_022015_000046872078_00332_37460_9047.N1	30APR2009 02:20:15	30APR2009 03:38:22	0	0	0	0	0
3	SCI_NL__OPNPDE20090430_033714_000061602078_00333_37461_9048.N1	30APR2009 03:37:14	30APR2009 05:19:54	0	0	0	0	0
4	SCI_NL__OPNPDE20090430_051845_000060482078_00334_37462_9049.N1	30APR2009 05:18:45	30APR2009 06:59:34	0	0	0	0	0
5	SCI_NL__OPNPDK20090430_065825_000041012078_00335_37463_1402.N1	30APR2009 06:58:25	30APR2009 08:06:46	1	1	0	0	0
6	SCI_NL__OPNPDK20090430_080646_000061732078_00336_37464_1403.N1	30APR2009 08:06:46	30APR2009 09:49:38	0	0	0	0	0
7	SCI_NL__OPNPDK20090430_094830_000060912078_00337_37465_1404.N1	30APR2009 09:48:30	30APR2009 11:30:01	0	0	0	0	0
8	SCI_NL__OPNPDK20090430_112905_000059112078_00338_37466_1405.N1	30APR2009 11:29:05	30APR2009 13:07:36	1	1	0	0	0
9	SCI_NL__OPNPDK20090430_130736_000059672078_00339_37467_1406.N1	30APR2009 13:07:36	30APR2009 14:47:04	1	1	0	0	0
10	SCI_NL__OPNPDK20090430_144608_000057872078_00340_37468_1407.N1	30APR2009 14:46:08	30APR2009 16:22:34	1	1	1	0	0
11	SCI_NL__OPNPDK20090430_162030_000059842078_00341_37469_1409.N1	30APR2009 16:20:30	30APR2009 18:00:14	0	0	0	0	0
12	SCI_NL__OPNPDK20090430_175918_000061042078_00342_37470_1410.N1	30APR2009 17:59:18	30APR2009 19:41:02	1	1	1	0	0
13	SCI_NL__OPNPDE20090430_193954_000041012078_00343_37471_9050.N1	30APR2009 19:39:54	30APR2009 20:48:15	0	0	0	0	0
14	SCI_NL__OPNPDE20090430_204646_000064642078_00343_37471_9051.N1	30APR2009 20:46:46	30APR2009 22:34:30	0	0	0	0	0
15	SCI_NL__OPNPDE20090430_223346_000060242078_00344_37472_9052.N1	30APR2009 22:33:46	01MAY2009 00:14:10	0	0	0	0	0

0.2 Product Quality Indicators

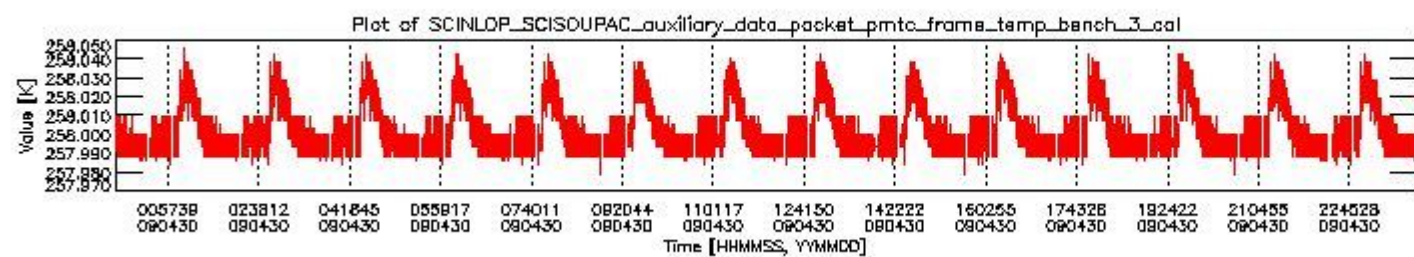
This section shows information about product quality, currently temperatures.



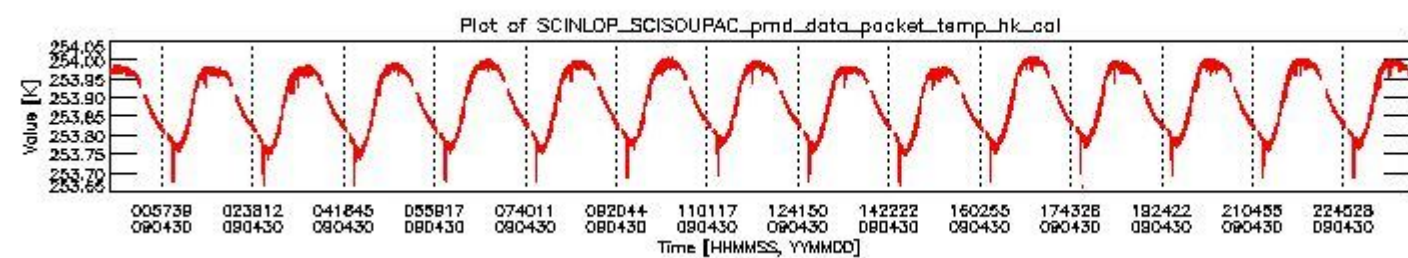
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090430_0.PNG



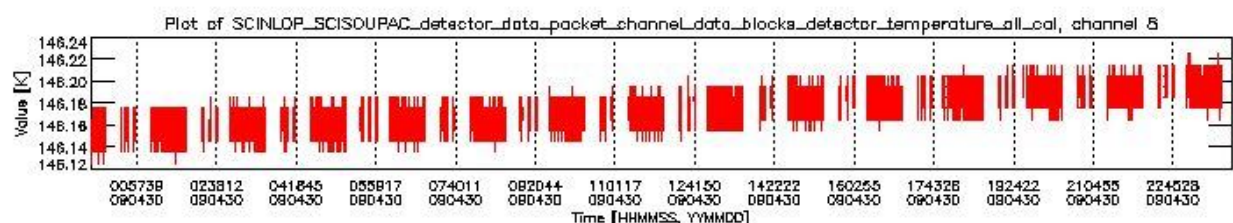
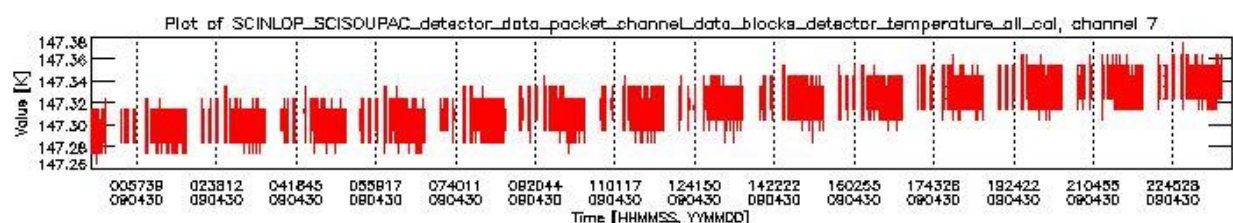
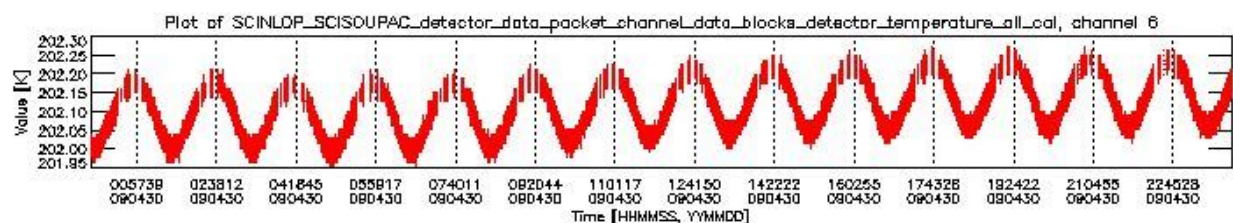
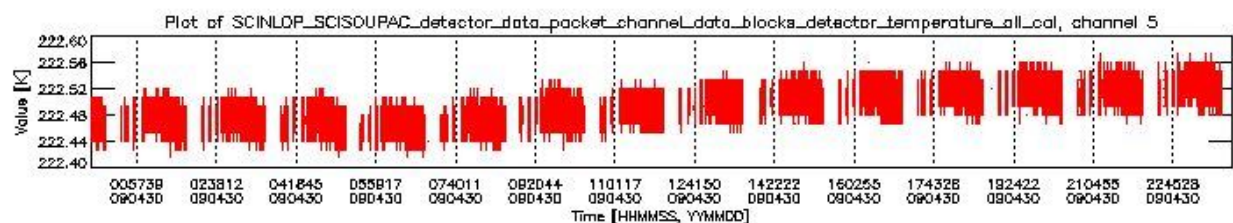
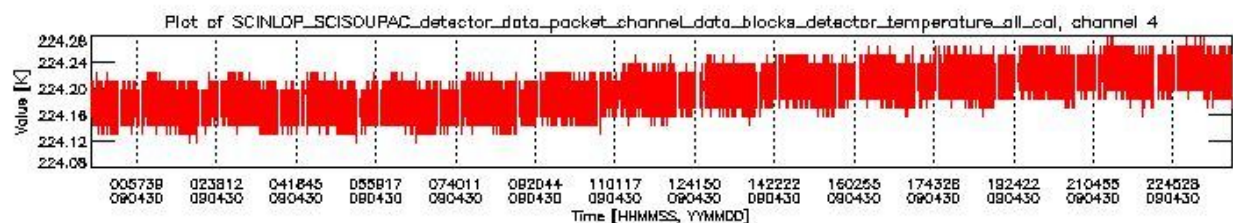
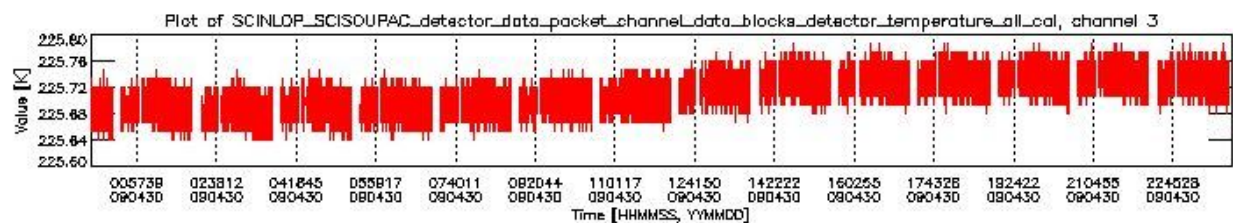
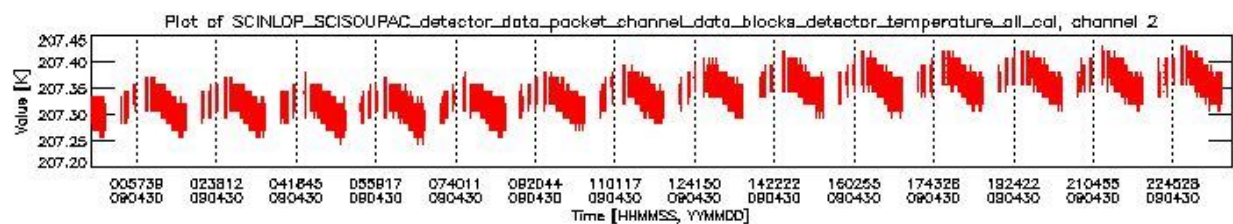
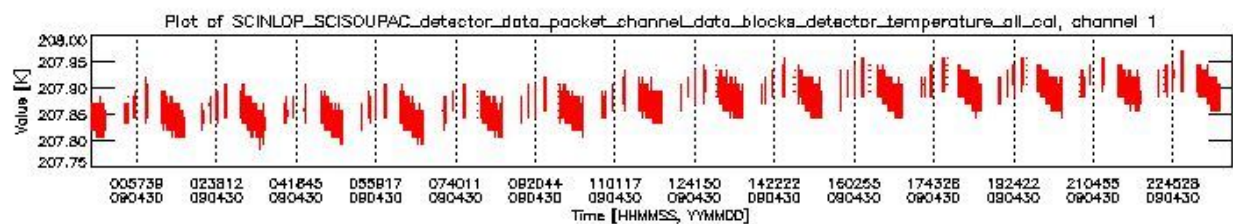
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090430_1.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090430_2.PNG



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090430_3.PNG

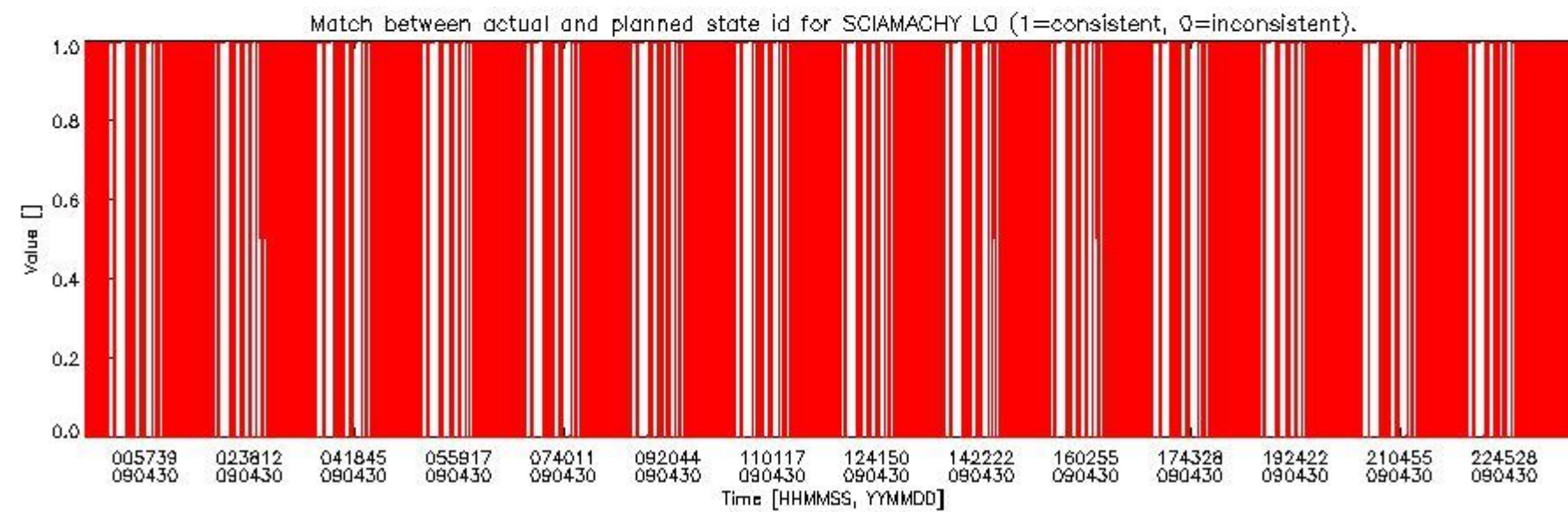
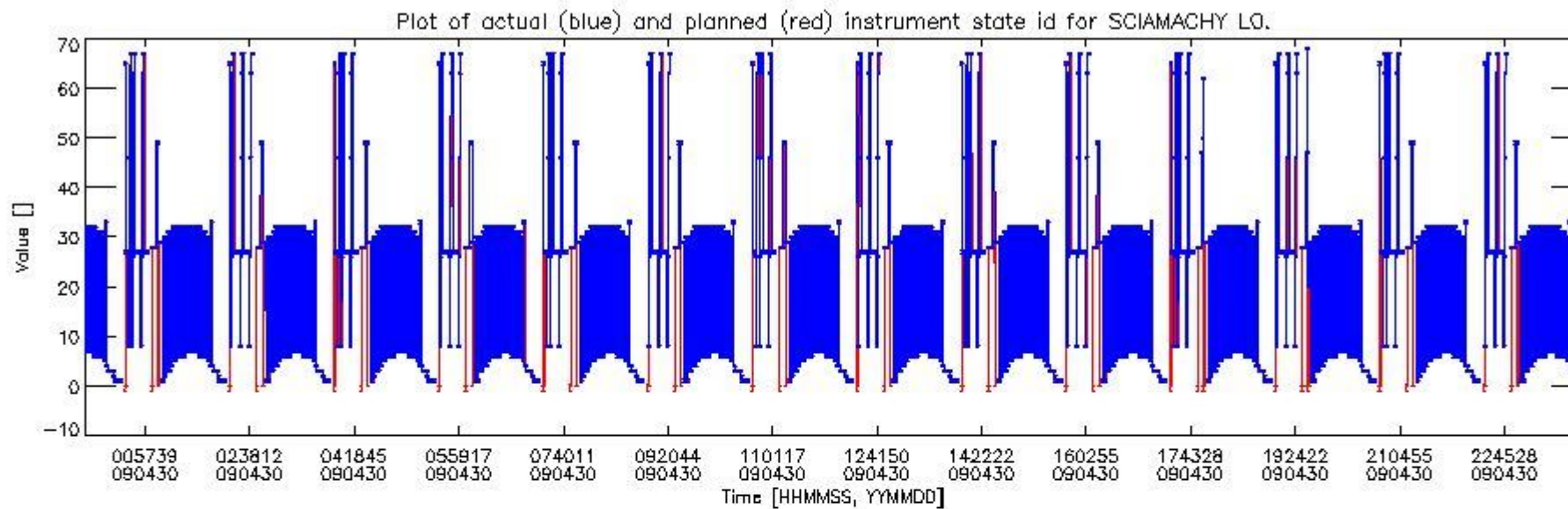


0.3 State monitoring

The following section shows a comparison of modelled instrument state (as calculated by the DMOP planning files and using CTI tables to derive state) and the measured state variables from the L0 product (the SCINL0P_SCISOUPAC_state_id variable).

Total number of faults: **49533**

#	Actual time	Actual value	Planned time	Planned value
0	30APR2009 00:00:36.206080	32	30APR2009 00:00:36.206080	7
1	30APR2009 00:00:36.831102	32	30APR2009 00:00:36.831102	7
2	30APR2009 00:00:37.206075	32	30APR2009 00:00:37.206075	7
3	30APR2009 00:00:37.581088	32	30APR2009 00:00:37.581088	7
4	30APR2009 00:00:38.143587	32	30APR2009 00:00:38.143587	7
5	30APR2009 00:00:38.518600	32	30APR2009 00:00:38.518600	7
6	30APR2009 00:00:38.893573	32	30APR2009 00:00:38.893573	7
7	30APR2009 00:00:39.268586	32	30APR2009 00:00:39.268586	7
8	30APR2009 00:00:39.831086	32	30APR2009 00:00:39.831086	7
9	30APR2009 00:00:40.206099	32	30APR2009 00:00:40.206099	7
10	30APR2009 00:00:40.581071	32	30APR2009 00:00:40.581071	7
11	30APR2009 00:00:40.956084	32	30APR2009 00:00:40.956084	7
12	30APR2009 00:00:41.206093	32	30APR2009 00:00:41.206093	7
13	30APR2009 00:00:41.518584	32	30APR2009 00:00:41.518584	7
14	30APR2009 00:00:41.893597	32	30APR2009 00:00:41.893597	7
15	30APR2009 00:00:42.268570	32	30APR2009 00:00:42.268570	7
16	30APR2009 00:00:42.643583	32	30APR2009 00:00:42.643583	7
17	30APR2009 00:00:43.206082	32	30APR2009 00:00:43.206082	7
18	30APR2009 00:00:43.581095	32	30APR2009 00:00:43.581095	7
19	30APR2009 00:00:43.956068	32	30APR2009 00:00:43.956068	7

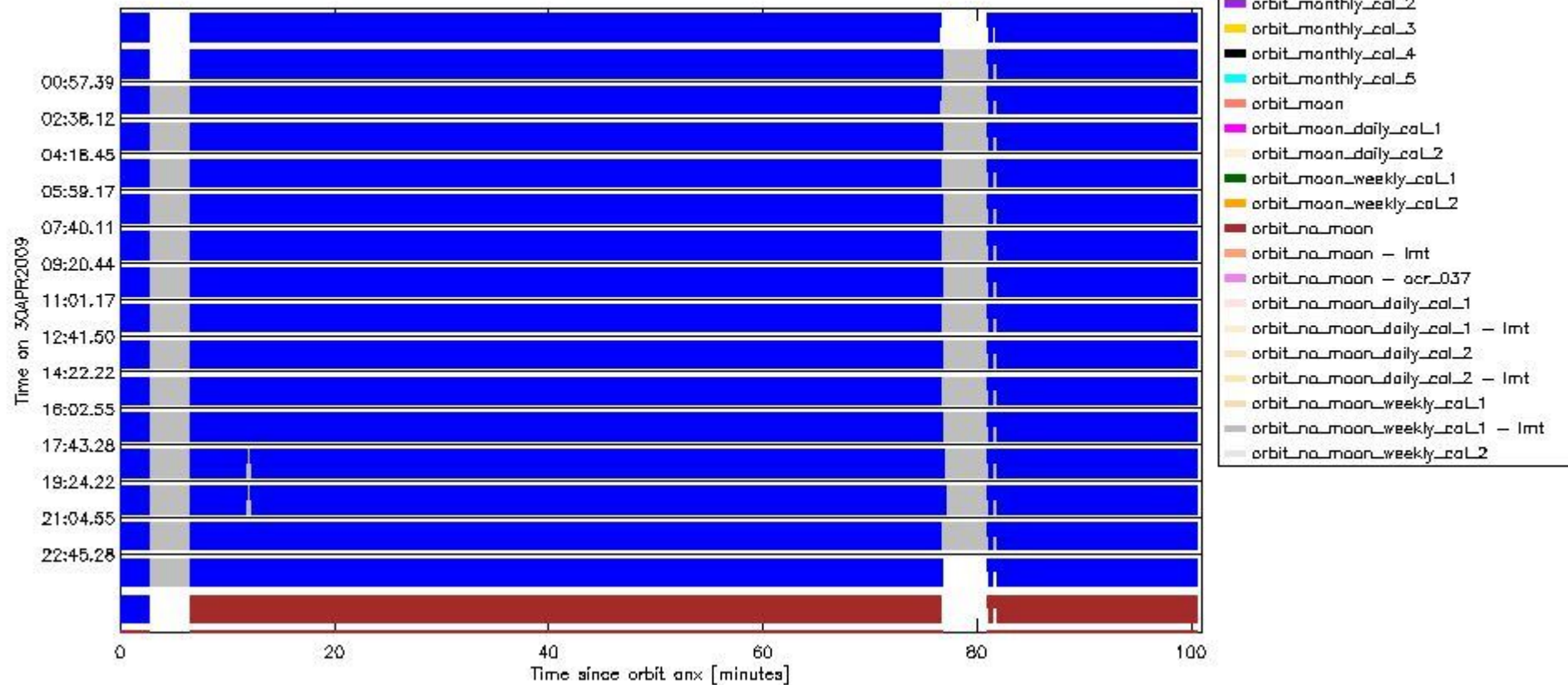


sciamachy_daily_report_level0_KSPT_L0_4303_N_20090430_5.PNG

This section gives an analysis of the DMOP execution. The execution is monitored by assigning various activities to timeline sequences found in the DMOP file, and by checking where "NEW" datasets are available in SCI_NL__1P products.

The following plot gives an overview of planned activities and actual state ids in the Level 0 products. The planning is taken from the DMOP files, and interpreted using information from OSDF files.

Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
 Each row indicates an orbit. A light gray colour indicates the time span of 30APR2009.
 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
 The remaining colours indicate planned activities and/or special measurements.
 Planned activities are shown on the top half of each row, special measurements on the bottom half.



sciamachy_daily_report_level0_KSPT_L0_4303_N_20090430_6.PNG

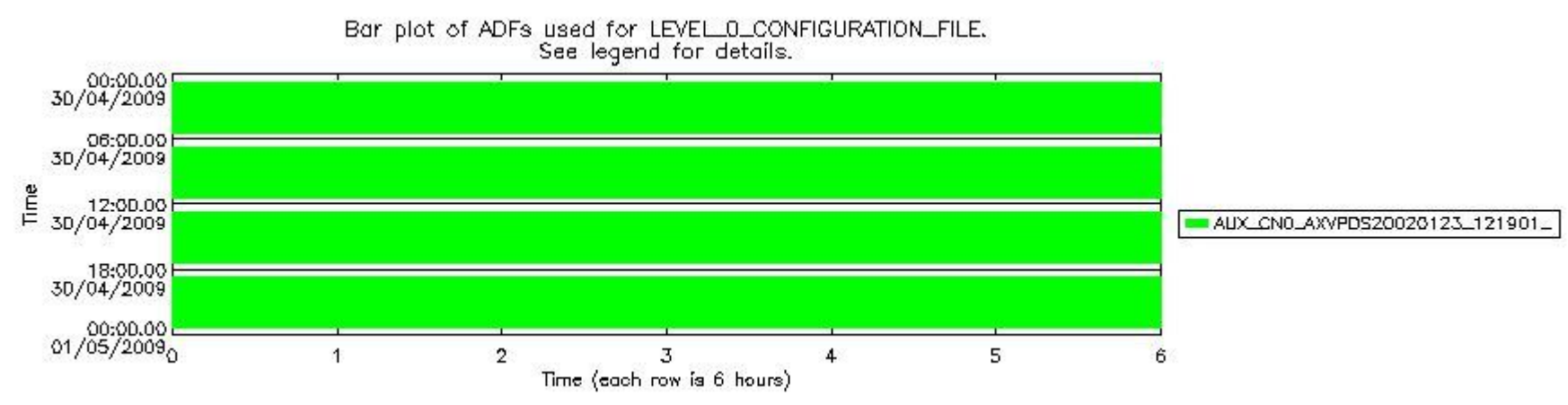
0.4 ADF monitoring

This section shows the (variation in) ADFs used for each of the products. It consists of:

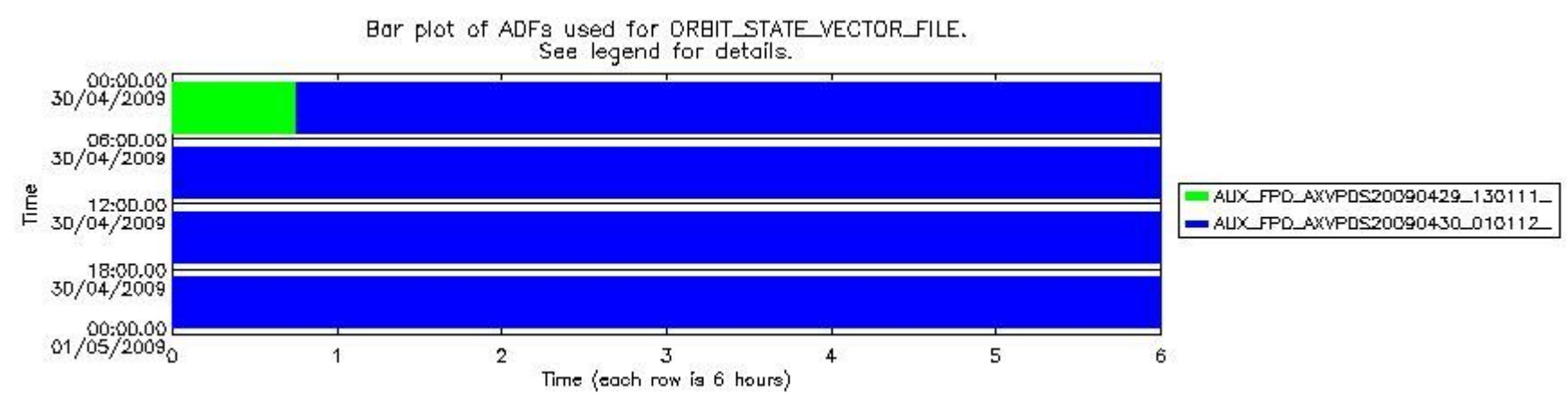
- A table showing which ADFs were used for processing (red values indicate that multiple ADFs of the same type were used)
- Various time line plots, one for each ADF, which show when which ADF was used.

If multiple ADFs of a single type were used, these are marked **red** in the table.

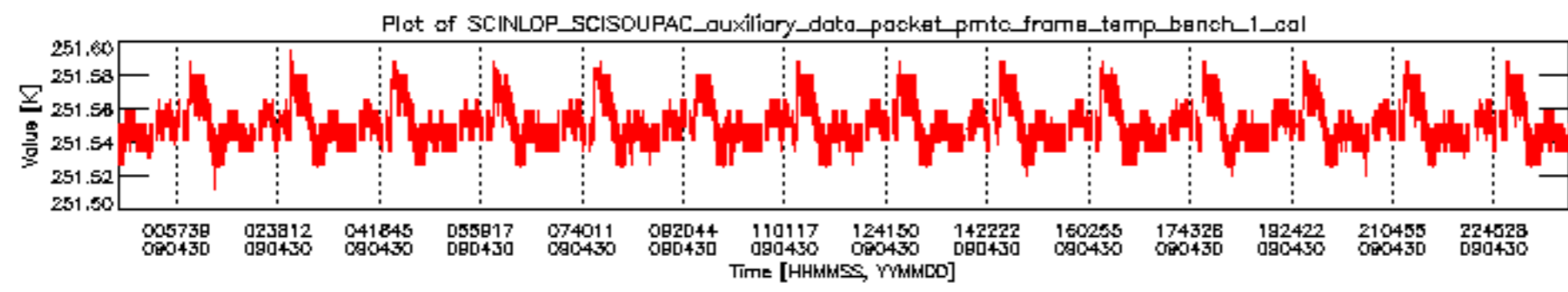
Number	ADF
	CN0 (LEVEL_0_CONFIGURATION_FILE)
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
	FPO (ORBIT_STATE_VECTOR_FILE)
1	AUX_FPO_AXVPDS20090429_130111_20090428_184652_20090508_201307
2	AUX_FPO_AXVPDS20090430_010112_20090429_195552_20090509_212206

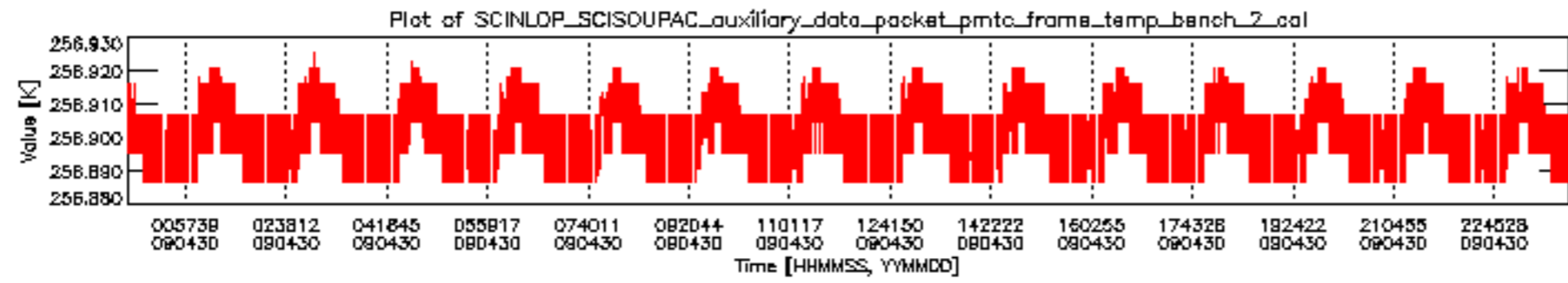


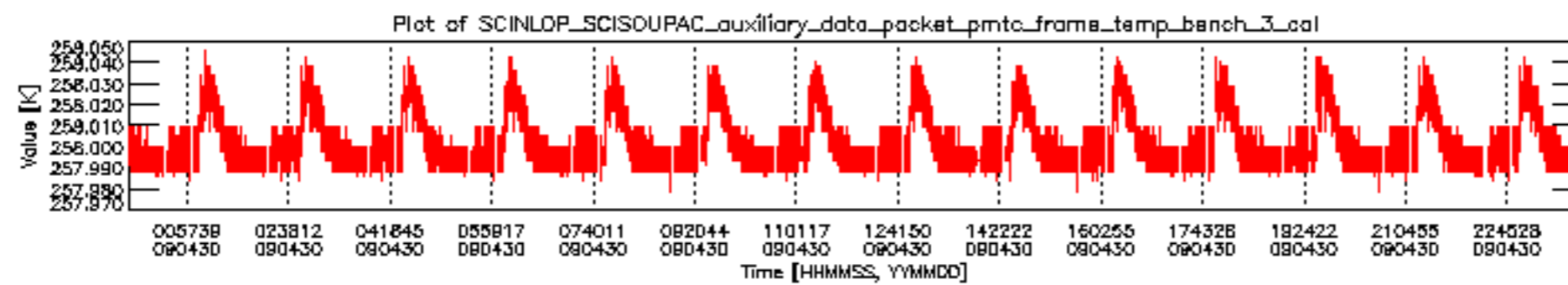
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090430_7.PNG

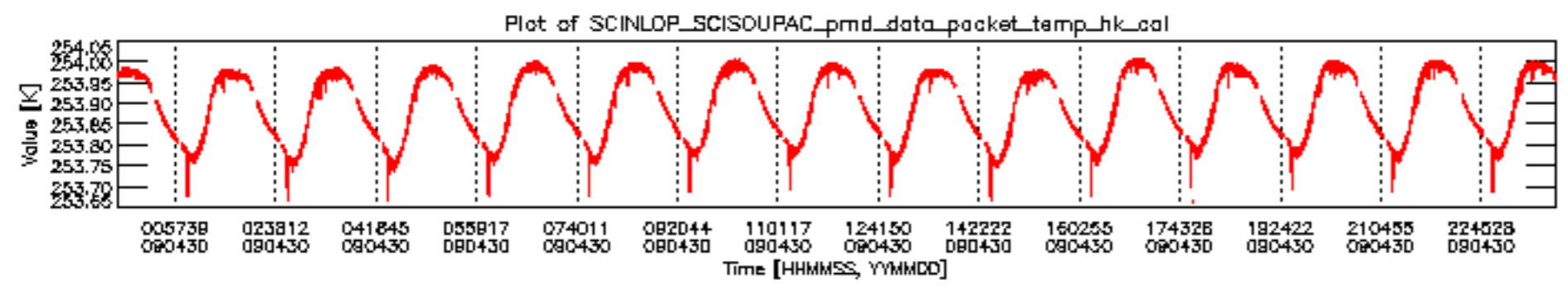


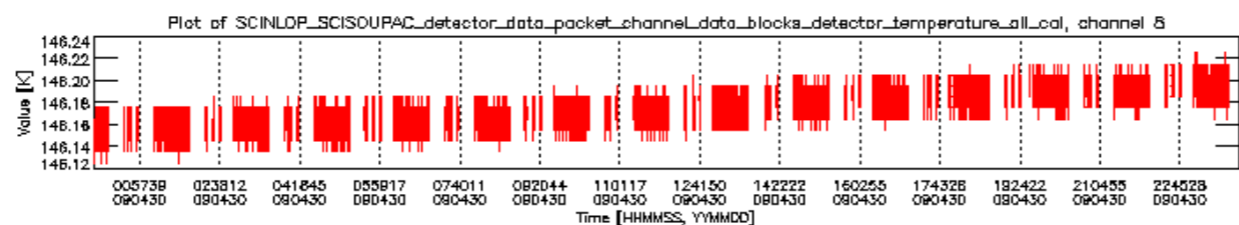
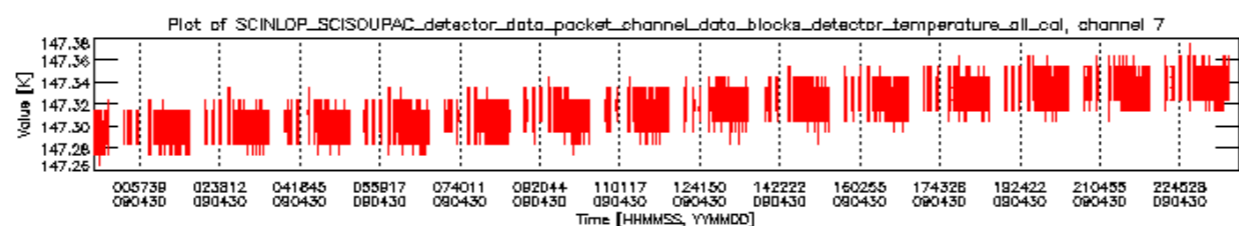
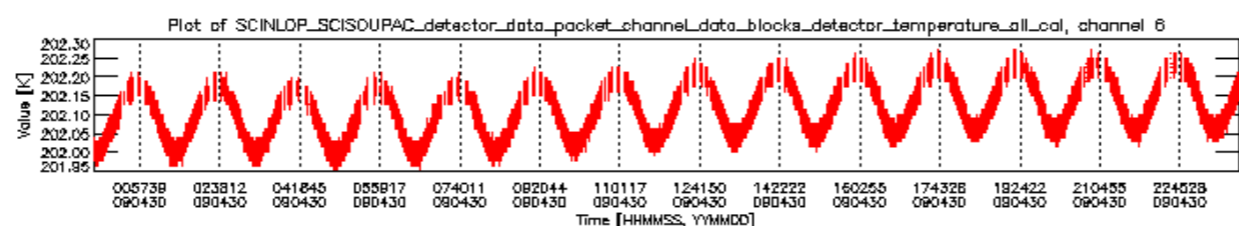
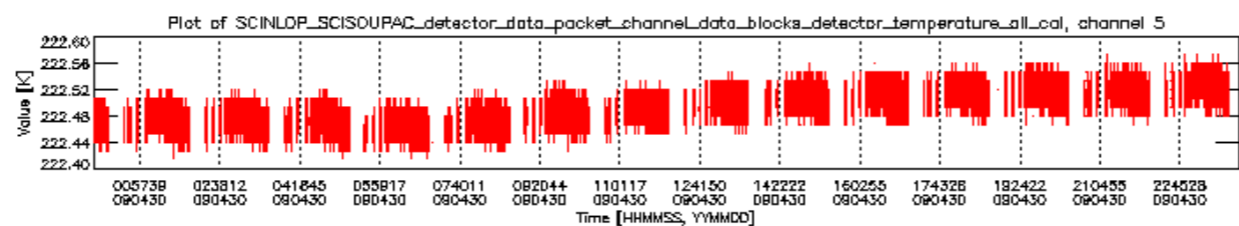
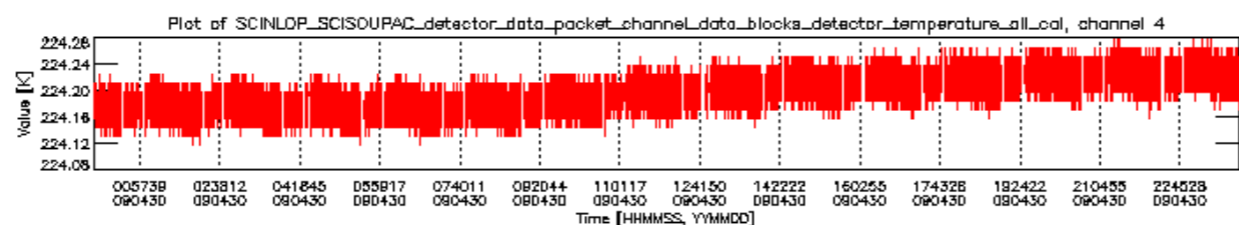
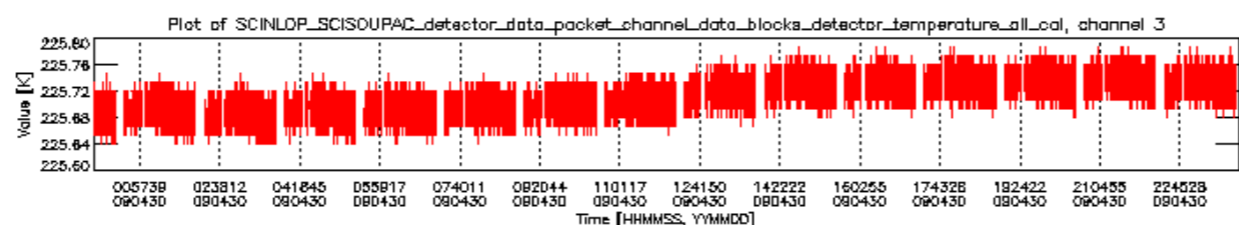
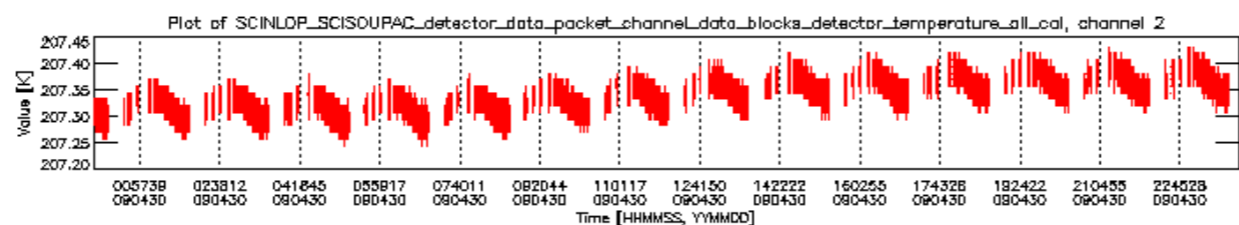
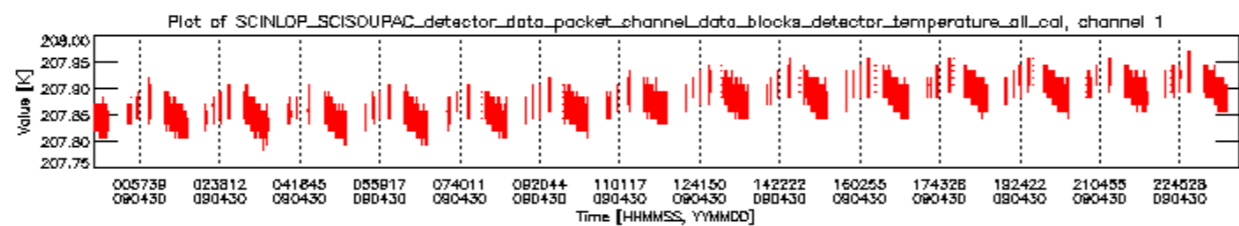
sciamachy_daily_report_level0_KSPT_L0_4303_N_20090430_8.PNG

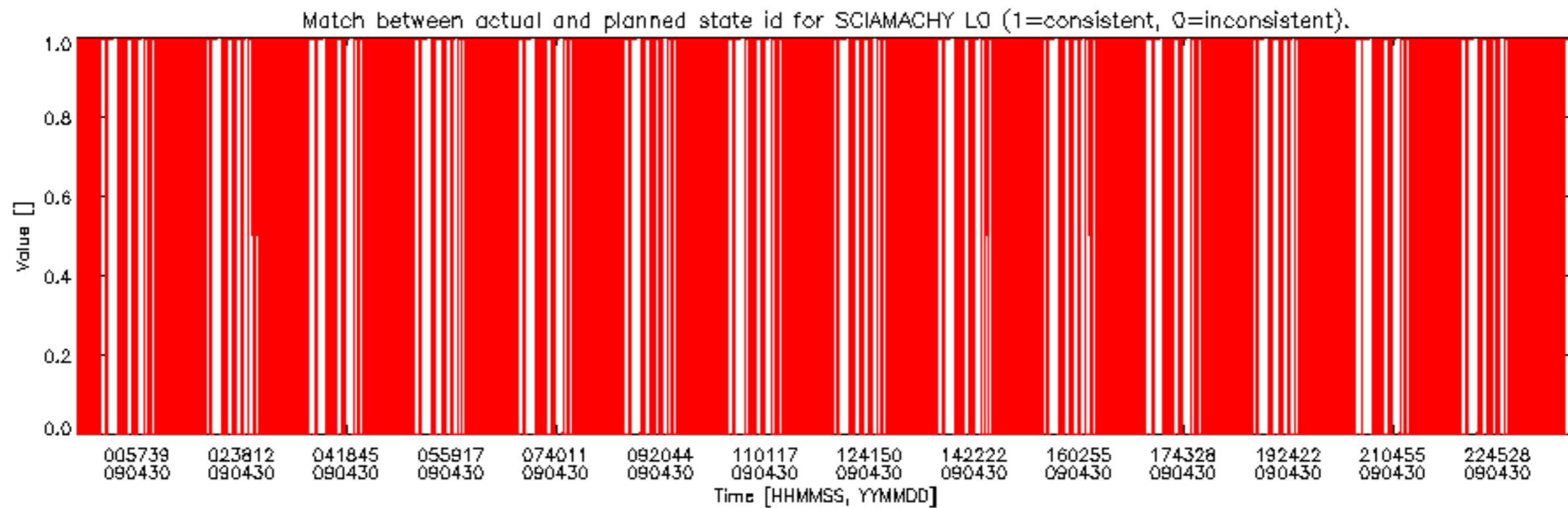
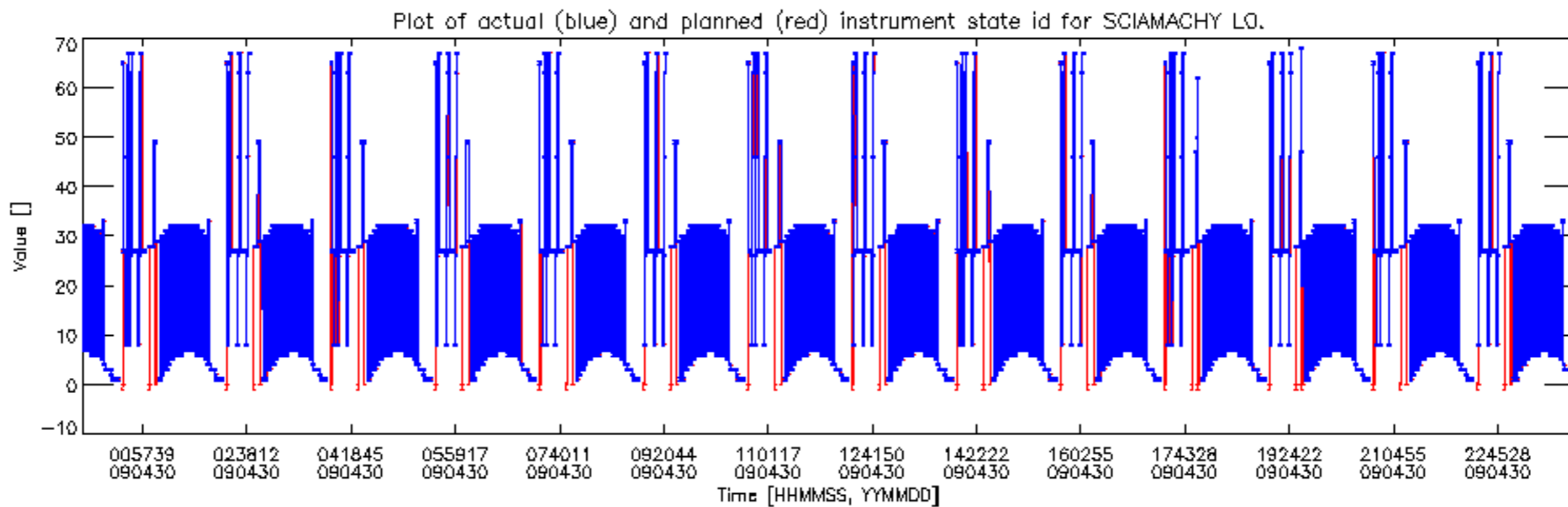




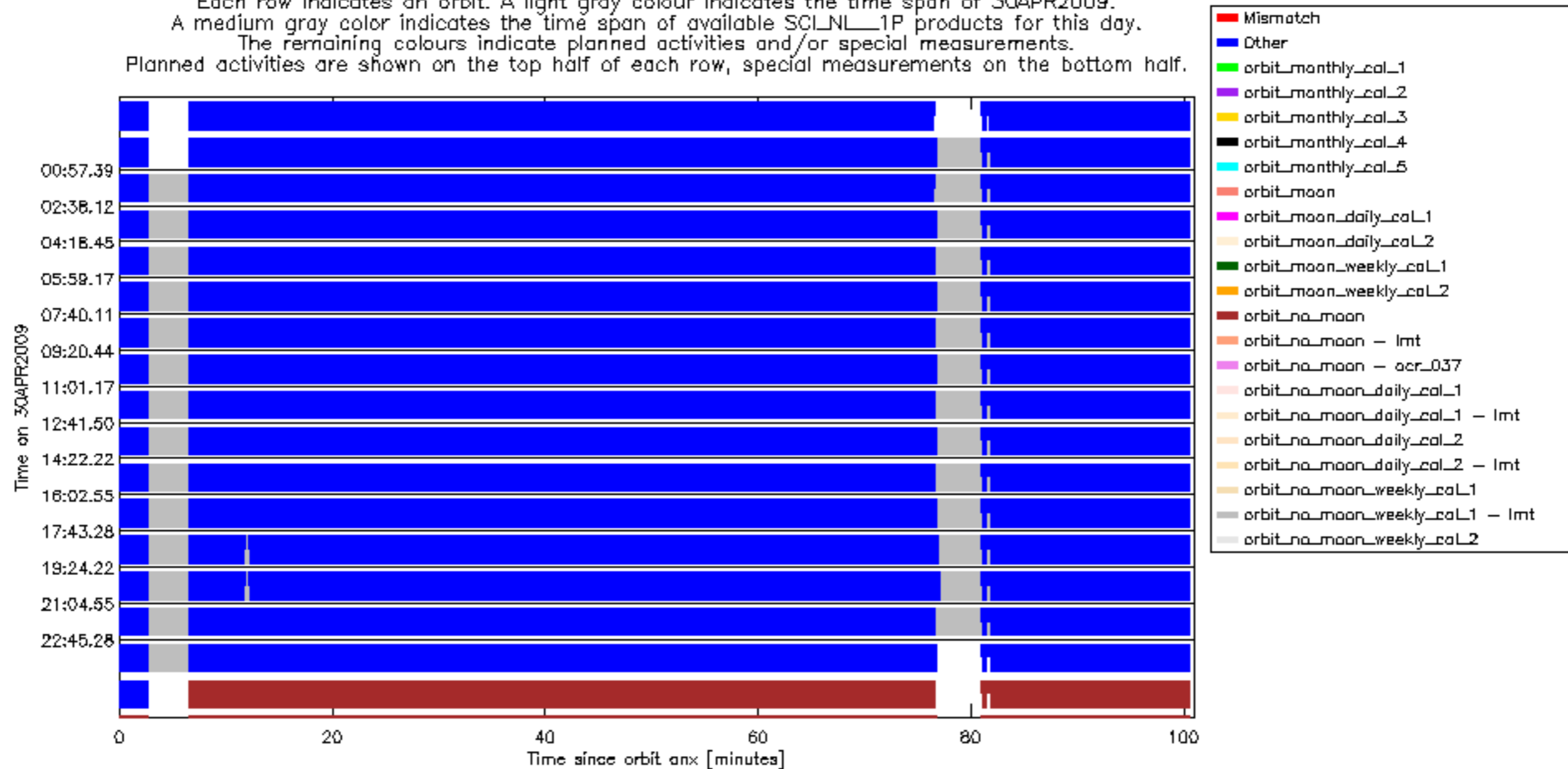


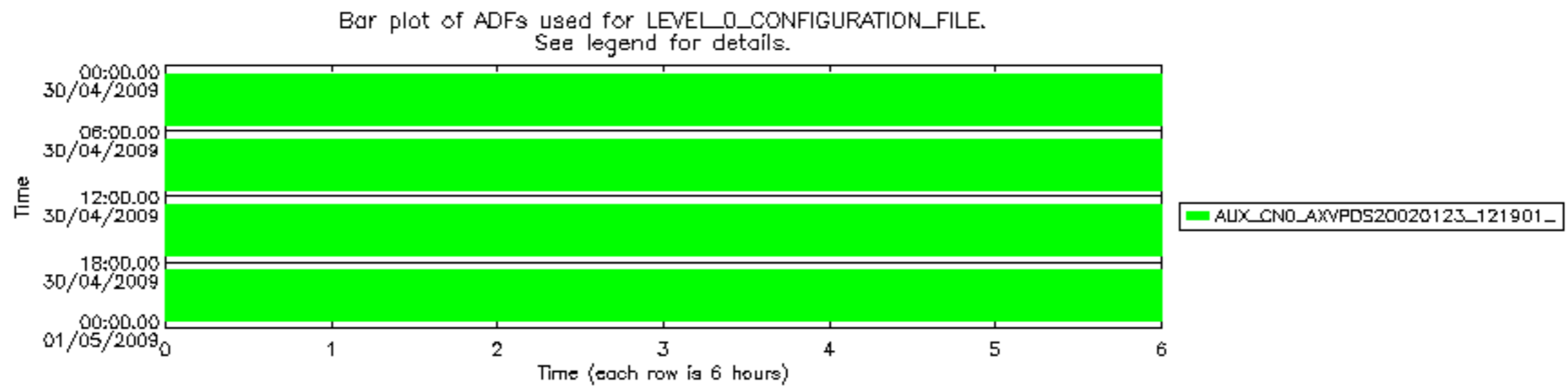






Bar plot of planned DMOP activities and new calibration data for SCIAMACHY.
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 A medium gray color indicates the time span of available SCI_NL_1P products for this day.
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Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

